



F SERIES(G2)

SINGLE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 97.4% maximum efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up.



IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

Fox ESS offers a range of single and dual-MPPT single-phase inverter offering unparalleled efficiency and performance. Our dual-MPPT F Series(G2) range includes 3 - 6kW models. The F Series(G2) is IP65 rated and battery ready for easy upgrade when paired with a Fox ESS charge controller.

3kW ...>> 6kW



For more about the Fox ESS range of single-phase inverters, visit:

www.fox-ess.com



TECHNICAL SPECIFICATIONS

| MODEL | F3000-G2 | F3600-G2 | F4600-G2-B | F5000-G2-B |
|---|----------|--|---------------|------------|
| INPUT(PV) | | | | |
| Max. Input Power [W] | 4500 | 5400 | 6900 | 7500 |
| Max./Min. Input Voltage [V] | | | 600/80 | |
| Start-up Input Voltage [V] | | | 120 | |
| Rated Input Voltage [V] | | | 360 | |
| MPPT Operating Voltage Range [V] | | | 80 ~ 550 | |
| Max. Input Current [A] | | | 14 | |
| Max. Short-circuit Current [A] | | | 18 | |
| No. of MPP Trackers | | | 2 | |
| Strings per MPP Tracker | | | 1 | |
| OUTPUT(AC) | | | | |
| Rated Output Apparent Power [VA] | 3000 | 3600 | 4600 | 5000 |
| Max. Output Apparent Power [VA] | 3300 | 3960 | 4600 | 5000 |
| Rated Grid Voltage [Vac] | | | 220/ 230/ 240 | |
| Rated Grid Frequency [Hz] | | | 50/ 60 | |
| Rated Output Current [A] | 13.0 | 15.7 | 20.0 | 21.7 |
| Max. Output Current [A] | 14.3 | 17.2 | 20.0 | 21.7 |
| Power Factor | | 1 (Adjustable from 0.8 leading to 0.8 lagging) | | |
| Total Harmonic Distortion (THDi) [%] | | | <3 | |
| EFFICIENCY | | | | |
| MPPT Efficiency [%] | | | 99.00 | |
| Euro-efficiency [%] | | | 96.80 | |
| Max. Efficiency [%] | | | 97.40 | |
| PROTECTION | | | | |
| Insulation Monitoring | | | YES | |
| Residual Current Monitoring | | | YES | |
| DC Reverse Polarity Protection | | | YES | |
| Anti-islanding Protection | | | YES | |
| AC Short-circuit Protection | | | YES | |
| AC Overcurrent Protection | | | YES | |
| AC Overvoltage Protection | | | YES | |
| Surge Protection | | Optional (DC/AC: Type II) | | |
| DC Switch | | | Optional | |
| AFCI | | | Optional | |
| GENERAL DATA | | | | |
| Dimensions (W*H*D) [mm] | | 402*453*148 | | |
| Weight [kg] | | 14.8 | | |
| Cooling Method | | Natural Convection | | |
| Topology | | Non-isolated | | |
| Noise Emission (typical) [dB] | | <30 | | |
| Max. Operating Altitude [m] | | 3000 | | |
| Operating Temperature Range [°C] | | -25 ~ 60 | | |
| Humidity [%] | | 0 ~ 100 (No Condensation) | | |
| Ingress Protection | | IP65 | | |
| Internal Consumption at Night [W] | | <1 | | |
| Monitoring Module | | WIFI / GPRS / 4G (Optional) | | |
| Communication | | RS485, Meter / CT, DRM | | |
| Display | | LCD, Touch Key, App, Website | | |
| Country Of Manufacture | | China | | |
| STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) | | | | |
| Safety | | EN/IEC 62109-1/2 | | |
| EMC | | EN 61000-6-1/2/3/4 | | |
| Grid Regulation | | AS/NZS-4777.2, CEI 0-21 | | |